

**NUMB Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11449a****Specification**

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**NUMB Antibody (N-term) Blocking peptide - Product Information**Primary Accession [P49757](#)**NUMB Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 8650**Other Names**

Protein numb homolog, h-Numb, Protein S171, NUMB

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NUMB Antibody (N-term) Blocking peptide - Protein Information****Name** NUMB ([HGNC:8060](#))**Function**

Regulates clathrin-mediated receptor endocytosis (PubMed:<a href="http://www.uniprot.org/citations/18657069" target="\_blank">18657069</a>). Plays a role in the process of neurogenesis (By similarity). Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate (By similarity). Not required for the proliferation of neural progenitor cells before the onset of neurogenesis. Also involved postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity (By similarity). May also mediate local repair of brain ventricular wall damage (By similarity).

**Cellular Location**

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Note=Localizes to perinuclear endosomes in an AAK1-dependent manner.

**NUMB Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **NUMB Antibody (N-term) Blocking peptide - Images**

#### **NUMB Antibody (N-term) Blocking peptide - Background**

The protein encoded by this gene plays a role in the determination of cell fates during development. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. Four transcript variants encoding different isoforms have been found for this gene.

#### **NUMB Antibody (N-term) Blocking peptide - References**

Rennstam, K., et al. Breast Cancer Res. Treat. 122(2):315-324(2010) Lu, C.B., et al. Neuroscience 161(2):403-412(2009) Chen, H., et al. Pathobiology 76(3):149-154(2009) Schluter, T., et al. Biochem. Biophys. Res. Commun. 379(4):909-913(2009) Kyriazis, G.A., et al. J. Biol. Chem. 283(37):25492-25502(2008)